

In the Claims

1. (Currently Amended): A pushbutton assembly comprising a housing-(2) with an open end thereto bounded by a flange structure-(15), the housing-(2) being insertable through an aperture in a panel with the flange-(15) on an outer side thereof, a fixing means for fixing the housing-(2) relative to the panel beneath the panel, a push button-(1) movably mounted within the open end and flange structure-(15), a lamp-(25) mountable relative to the housing-(2) for illuminating the button-(1), a switch-(20) mountable relative to the housing-(2) for operation by movement of the button-(1) via an actuating structure-(5) disposed between the button-(1) and the switch-(20) within the housing-(2), characterized in that the lamp-(25) and the switch-(20) are mounted within the housing-(2) so that at least a major part of the lamp-(25) and the switch-(20) is located within the confines of the housing-(2).

2. (Currently Amended): A The push button assembly according to claim 1 wherein the housing-(2) has a generally open square frame structure-(18) comprising side wall structures-(16) with the flange structure-(15) mounted at one end.

3. (Currently Amended): A The push button assembly according to ~~any one of claims 1 or 2~~ claim 1 wherein the housing-(2) provides abutments for supporting the actuating structure-(5).

4. (Currently Amended): A The push button assembly according to ~~any one of claims 2 or 3~~ claim 2 wherein at least one of the side wall structure ~~(16)~~ is generally open to provide access to the interior of the housing ~~(2)~~.

5. (Currently Amended): A The push button assembly according to ~~any one of claims 2-4~~ claim 2 wherein the frame structure ~~(18)~~ is shorter in axial length than the horizontal length of each of the side wall structures ~~(16)~~.

6. (Currently Amended): A The push button assembly according to ~~any one of claims 1-5~~ claim 1 wherein the flange structure ~~(15)~~ has outwardly inclined side walls which taper towards the top free end of the housing ~~(2)~~.

7. (Currently Amended): A The push button assembly according to ~~any one of claims 1-6~~ claim 1 wherein the flange structure ~~(15)~~ is opaque.

8. (Currently Amended): A The push button assembly according to ~~any one of claims 1-7~~ claim 2 wherein the flange structure ~~(15)~~ comprises a downwardly projecting peripheral skirt part defining a peripheral gap between said part and the side wall structures ~~(16)~~.

9. (Currently Amended): A The push button assembly according to claim 8 wherein the skirt part is light-transmitting.

10. (Currently Amended): A The push button assembly according to claim 9 wherein the skirt part provides an illuminable boundary to give the effect of a ~~"halo"~~ halo around the button ~~-(1)-~~.

11. (Currently Amended): A The push button assembly according to claim 10 wherein the illuminable boundary is illuminable by an illumination means disposed in said gap.

12. (Currently Amended): A The push button assembly according to claim 11 wherein the illumination means is preferably in the form of multiple LEDs on a printed circuit board.

13. (Currently Amended): A The push button assembly according to claim 12 wherein the LEDs are independently operable from said lamp ~~-(25)-~~ and/or each other.

14. (Currently Amended): A The push button assembly according to ~~any one of claims 1-13~~ claim 1 wherein the housing ~~-(2)-~~ provides electrostatic protection to any circuitry within said housing ~~-(2)-~~.

15. (Currently Amended): A The push button assembly according to claim 14 wherein the protection comprises "grounding members" integrated into said housing ~~-(2)-~~ to discharge any introduced electrical charges.

16. (Currently Amended): A The push button assembly according to claim 15 wherein the "grounding members" comprise carbon conductive structures.

17. (Currently Amended): A The push button assembly according to ~~any one of claims 1-16~~ claim 1 wherein the fixing means comprises one or more clips ~~(17)~~ on one or more of said side wall structures ~~(16)~~ engageable with holes in said panel.

18. (Currently Amended): A The push button assembly according to ~~any one of claims 1-17~~ claim 1 wherein the switch actuating structure ~~(5)~~ comprises a generally square frame with a centrally disposed aperture ~~(10)~~ and two elongate legs ~~(13)~~ with outwardly turned feet ~~(14)~~ projecting from the ~~centre~~ center of opposed bottom wall edges at ~~rights~~ right angles thereto.

19. (Currently Amended): A The push button assembly according to claim 18 wherein the bottom wall has spring members fixed across said frame to provide relative movement of the button ~~(1)~~ within the flange structure ~~(15)~~.

20. (Currently Amended): A The push button assembly according to claim 19 wherein the spring members provide downwardly projecting push rods ~~(12)~~ for projection through apertures in said bottom wall so as to be displaceable within the button ~~(1)~~.

21. (Currently Amended): A The push button assembly according to ~~any one of claims 1-20~~ claim 1 wherein the switch ~~(20)~~ comprises a rectangular body ~~(19)~~ with an upwardly projecting actuator and connection terminals ~~(21)~~.

22. (Currently Amended): A The push button assembly according to claim 21 wherein the body ~~(19)~~ overlies the inner side wall structures ~~(16)~~ within the confines of the housing ~~(2)~~ and the terminals ~~(21)~~ projecting out of said housing ~~(2)~~.

23. (Currently Amended): A The push button assembly according to ~~any of one of claims 1-22~~ claim 1 wherein the switch ~~(20)~~ is a microswitch.

24. (Currently Amended): A The push button assembly according to ~~any one of claims 1-23~~ claim 21 wherein the lamp (25) is disposed in the ~~centre~~ center of the housing ~~(2)~~ mounted on a rectangular strip ~~(22)~~ with connector terminals ~~(24)~~.

25. (Currently Amended): A The push button assembly according to ~~any one of claims 1-24~~ claim 1 wherein the lamp ~~(25)~~ is an LED or multiple LEDs.

26. (Currently Amended): A The push button assembly according to ~~any one of claims 1-24~~ claim 1 wherein an LCD panel is provided between said lamp ~~(25)~~ and said button ~~(1)~~ to allow control of the light.

27. (Currently Amended): A The push button assembly according to claim 26 wherein ~~colour~~ color filters are applied to the panel to allow different ~~colours~~ colors and effects.

28. (Currently Amended): A The push button assembly according to ~~any one of claims 1-23~~ claim 1 wherein the lamp ~~(25)~~ comprises an OLED.

29. (Currently Amended): A The push button assembly according to ~~any one of claims 21-27~~ claim 24 wherein the lamp strip ~~(22)~~ and/or switch body ~~(19)~~ are separate components.

30. (Currently Amended): A The push button assembly according to ~~any one of claims 1-29~~ claim 1 wherein the lamp ~~(25)~~ and/or the switch ~~(20)~~ are removably mounted within the housing ~~(2)~~.

31. A The push button assembly according to ~~any one of claims 21-30~~ claim 29 wherein the strip ~~(22)~~ and/or the body ~~(19)~~ are completely within the confines of the housing ~~(2)~~.

32. (Currently Amended): A The push button assembly according to ~~any one of claims 1-31~~ claim 1 wherein each one of the body ~~(19)~~ and/or strip ~~(22)~~ snaps onto a part of the housing ~~(2)~~ and is held in place by pegs passing through the body ~~(19)~~ of the strip ~~(22)~~.

33. (Currently Amended): A The push button assembly according to ~~any one of claims 1-32~~ claim 1 wherein the lamp ~~(25)~~ and switch ~~(20)~~ are connected to appropriate operating circuitry of an amusement or gaming machine.

34. (Currently Amended): ~~An entertainment machine incorporating a~~ The push button assembly as described in ~~any one of claims 1-33~~ claim 1 wherein said push button assembly is incorporated into an entertainment machine.

35. (New): The push button assembly according to claim 2 wherein the flange structure—(15)—is opaque.

36. (New): The push button assembly according to claim 7 wherein the flange structure comprises a downwardly projecting peripheral skirt part defining a peripheral gap between said part and the side wall structures.

37. (New): The push button assembly according claim 12 wherein the housing provides electrostatic protection to any circuitry within said housing.

38. (New): The push button assembly according to claim 13 wherein the housing provides electrostatic protection to any circuitry within said housing.